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Model TI-5260-PSP

Permanent Magnet Servomotor Rotor Lockup System

FEATURES

- U V W Phases may be individually switched + - or off
- Easy to create either line to line or line to neutral lockup polarities
- Rotor jogging legend on the cover
- Connector compatible with the TI-3000
- Helps limit personnel exposure to high voltages
- Includes protection diodes to prevent flyback voltages
- Up to 10 ampere lockup currents

GENERAL

The TI-5260-PSP Permanent Magnet Servomotor Rotor Lockup System provides a simple and accurate method of applying the correct lockup current to the correct set of windings of a permanent magnet brushless motor.

Rotor locking is the method to determine forward armature direction and to measure and set the alignment angle on a PM brushless motor.

The phase switches are wired and labeled to allow application of a positive polarity, negative polarity, or open circuit to each phase. You can apply any polarity to create any line to line or line to neutral lockup. Labeled switches make the connection much simpler and quicker for the servo technician but also improve safety and reliability. Incorrect connections are a common cause of incorrect feedback alignment during servo motor repair.

EASY TO USE

Connect the red wire to the positive terminal and the white wire to the negative terminal of the included lockup power supply. Connect the motor phases to the U V and W connections of the quick change terminal block. Since this is the same terminal block pin arrangement used with TI-3000, technicians will save time and reduce the risk of incorrect connection during either the alignment or test running of the motor.

Once connections are made, the lockup power supply current can be adjusted to supply appropriate current to the windings.

You can also easily jog the motor through all possible lockups in a systematic manner by following the pattern on the TI-5260-PSP overlay legend for diagnostic or reporting purposes.

Good repair techniques require consistent procedures, and the TI-5260-PSP will help technicians produce consistent lockup data every time.